

HOUSE No. 1871

By Mr. Coughlin of Dedham, petition of Robert K. Coughlin relative to the inspection of air tanks. Public Safety and Homeland Security.

The Commonwealth of Massachusetts

In the Year Two Thousand and Five.

AN ACT AUTHORIZING THE USE OF ULTRASONIC THICKNESS DETERMINATION OF AIR TANKS AND OTHER RECEPTACLES.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:

1 SECTION 1. Chapter 146 section 39 of the General Laws is
2 hereby amended by inserting, in line 1, after the word “for” the
3 word:— internal.

1 SECTION 2. Chapter 146 section 39 of the General Laws is
2 hereby amended by inserting, in line 3, after the word “material”,
3 the following clause:—
4 ultrasonic thickness determination shall be permitted in lieu of,
5 or in conjunction with, internal inspection for air tanks or other
6 receptacles of 36" diameter or less. Thickness measurements shall
7 be made in at least eight areas: two on each head and two on both
8 the top (upper) and bottom (lower) portions of the shell. Thick-
9 ness determinations indicating significant reduction in material
10 thickness over a general area shall be shown on the inspection
11 report, as well as calculations for the reduction in allowable
12 working pressure. The authorized inspector’s employer shall be
13 responsible for the inspector’s or the ultrasonic examiner’s com-
14 petency in the use of the ultrasonic thickness gage, and the exam-
15 iner’s signed report shall be attached to the authorized inspector’s
16 inspection report.